2005 Urban Water Management Plan "Review for Completeness" Form

Coordination with Appropriate Agencies — **(Water Code § 10620 (d)(1)(2))**

YES Participated in area, regional, watershed or basin wide plan — Chapter 1, Pages 1-1, 1-5 through 1-9

Name of plan: 2005 Urban Water Management Plan For Municipal Water District of Orange County

Lead Agency: MWDOC

YES Describe the coordination of the plan preparation and anticipated benefits. — Chapter 1, Pages 1-1, 1-5 through 1-9

Table 1
Coordination with Appropriate Agencies

Check at least one box on each row	Participated in developing the plan	Commented on the draft	Attended public meetings	Was contacted for assistance	Was sent a copy of the draft plan	Was sent a notice of intention to adopt	Not Involved / No Information
City of La Habra		x	x	x	x	x	
La Habra Public Works	x	x	x	x	x		
Metropolitan						x	
CDWC				x		x	
MWDOC	x			x		x	
Risk Management Professionals	x		x	x	x		
City of Fullerton						x	
City of Brea				x		x	
SWS						x	

Describe resource maximization / import minimization plan — **(Water Code §10620 (f))**

YES Describe how water management tools / options maximize resources & minimize need to import water — Chapter 7, Pages 7-1 through 7-6; Chapter 3, Pages 3-1, 3-16, 3-21

Plan Updated in Years Ending in Five and Zero — **(Water Code § 10621(a))**

YES Date updated and adopted plan received 12/19/2005 (enter date) — Chapter 1, Page 1-1

City and County Notification and Participation — **(Water Code § 10621(b))**

YES Notify any city or county within service area of UWMP of plan review & revision

YES Consult and obtain comments from cities and counties within service area

Chapter 1, Pages 1-5, 1-7

Service Area Information — **Water Code § 10631 (a))**

YES Include current and projected population

YES Population projections were based on data from state, regional or local agency

Chapter 2, Page 2-4

Table 2
Population - Current and Projected

	2005	2010	2015	2020	2025	2030 - opt
Service Area Population	62,496	65,773	67,256	68,055	68,481	68,576

YES	Describe climate characteristics that affect water management	Chapter 2, Page 2-5, 2-6
YES	Describe other demographic factors affecting water management	Chapter 2, Page 2-7

Table 3
Climate

	January	February	March	April	May	June
Standard Average ETo	2.18	2.49	3.67	4.71	5.18	5.87
Average Rainfall	2.5	2.3	2.3	0.8	0.3	0.1
Average Temperature	57.7	58.8	60.1	63.3	66.4	70.4

Table 3 (continued)
Climate

	July	August	September	October	November	December	Annual
Average ETo	6.29	6.17	4.57	3.66	2.59	2.25	**49.63**
Average Rainfall	0	0.1	0.4	0.3	1.7	1.8	**12.6**
Average Temperature	74.2	75.4	74	69.1	62.7	58.2	**65.86**

Water Sources **(Water Code § 10631 (b))**

YES	Identify existing and planned water supply sources	Chapter 3, Page 3-1 through 3-3
YES	Provide current water supply quantities	Chapter 3, Page 3-2
YES	Provide planned water supply quantities	Chapter 3, Page 3-2

Table 4
Current and Planned Water Supplies - AFY

Water Supply Sources	2005	2010	2015	2020	2025	2030 - opt
Water purchased from:						
MWDOC	4,058	1,925	2,177	2,313	2,384	2,399
California Domestic Water Company	6,000	7,500	7,500	7,500	7,500	7,500
Supplier produced groundwater (La Habra Basin)	1,214	2,400	2,400	2,400	2,400	2,400
Total	**11,272**	**11,825**	**12,077**	**12,213**	**12,284**	**12,299**

If Groundwater identified as existing or planned source **(Water Code §10631 (b)(1-4))**

N/A	Has management plan	Not Applicable / Basin is non-adjudicated
N/A	Attached management plan (b)(1)	
YES	Description of basin(s) (b)(2)	Chapter 3, Pages 3-6 through 3-9
NO	Basin is adjudicated	Chapter 3, Page 3-6
N/A	If adjudicated, attached order or decree (b)(2)	Not Applicable / Basin is non-adjudicated
N/A	Quantified amount of legal pumping right (b)(2)	

Table 5 Groundwater Pumping Rights - AF Year	
Basin Name	**Pumping Right - AFY**
Not Applicable	
Total	0

NO	DWR identified, or projected to be, in overdraft (b)(2)	Chapter 3, Page 3-6
N/A	Plan to eliminate overdraft (b)(2)	Not Applicable / Basin is not in overdraft
YES	Analysis of location, amount & sufficiency, last five years (b)(3)	Chapter 3, Page 3-4, 3-9
YES	Analysis of location & amount projected, 20 years (b)(4)	Chapter 3, Page 3-2, 3-3

Table 6 Amount of Groundwater pumped - AFY					
Basin Name (s)	**2000**	**2001**	**2002**	**2003**	**2004**
La Habra Basin	1140	1,207	534	1,346	1,006
% of Total Retail Water Supply	10.18%	11.37%	4.76%	12.47%	9.09%

Table 7 Amount of Groundwater projected to be pumped - AFY					
Basin Name(s)	**2010**	**2015**	**2020**	**2025**	**2030 - opt**
La Habra Basin	2,400	2,400	2,400	2,400	2,400
% of Total Retail Water Supply	20.3%	19.9%	19.7%	19.5%	19.5%

Reliability of Supply — **(Water Code §10631 (c) (1-3)**

YES	Describes the reliability of the water supply and vulnerability to seasonal or climatic shortage	Chapter 3, Pages 3-16 through 3-20

Table 8 Supply Reliability - AF Year								
2005-2010	**Normal**	**Single**	**Multiple Dry Water Years**					
	Water Year (Average)	**Dry Year (1961)**	**2008**	**(1959)**	**2009**	**(1960)**	**2010**	**(1961)**
Local Supply	9,900	9,900	9,250		9,490		9,600	
	% of Normal	100.0%	93.4%		95.9%		97.0%	
Imported Supply	1,925	2,881	3,153		2,687		2,881	
	% of Normal	149.7%	163.8%		139.6%		149.7%	
2010-2015	**Normal**	**Single**	**Multiple Dry Water Years**					
	Water Year (Average)	**Dry Year (1961)**	**2013**	**(1959)**	**2014**	**(1960)**	**2015**	**(1961)**
Local Supply	9,900	9,900	9,900		9,900		9,900	
	% of Normal	100.0%	100.0%		100.0%		100.0%	
Imported Supply	2,177	3,147	3,187		2,883		3,147	

	% of Normal	144.6%	146.4%	132.4%	144.6%
2015-2020	**Normal**	**Single**	**Multiple Dry Water Years**		
	Water Year (Average)	**Dry Year (1961)**	**2018 (1959)**	**2019 (1960)**	**2020 (1961)**
Local Supply	9,900	9,900	9,900	9,900	9,900
	% of Normal	100.0%	100.0%	100.0%	100.0%
Imported Supply	2,313	3,291	3,378	3,043	3,291
	% of Normal	142.3%	146.0%	131.5%	142.3%
2020-2025	**Normal**	**Single**	**Multiple Dry Water Years**		
	Water Year (Average)	**Dry Year (1961)**	**2023 (1959)**	**2024 (1960)**	**2025 (1961)**
Local Supply	9,900	9,900	9,900	9,900	9,900
	% of Normal	100.0%	100.0%	100.0%	100.0%
Imported Supply	2,384	3,365	3,481	3,129	3,365
	% of Normal	141.2%	146.0%	131.3%	141.2%
2025-2030	**Normal**	**Single**	**Multiple Dry Water Years**		
	Water Year (Average)	**Dry Year (1961)**	**2028 (1959)**	**2029 (1960)**	**2030 (1961)**
Local Supply	9,900	9,900	9,900	9,900	9,900
	% of Normal	100.0%	100.0%	100.0%	100.0%
Imported Supply	2,399	3,381	3,517	3,152	3,381
	% of Normal	141.0%	146.6%	131.4%	141.0%

Table 9
Basis of Water Year Data

Water Year Type			
Average Water Year	Average of Historical Hydrology from 1922 to 2004		
Single-Dry Water Year	1961		
Multiple-Dry Water Years	1959	1960	1961

Chapter 3, Pages 3-16, 3-17

Water Sources Not Available on a Consistent Basis **(Water Code §10631 (c))**

YES	Describe the reliability of the water supply due to seasonal or climatic shortages	Chapter 3, Page 3-20
YES	Describe the vulnerability of the water supply to seasonal or climatic shortages	Chapter 3, Page 3-20
NO	No unreliable sources	Chapter 3, Pages 3-17 through 3-19

Table 10
Factors resulting in inconsistency of supply

Name of supply	Legal	Environ-mental	Water Quality	Climatic
MWDOC				x
La Habra Groundwater Basin				x
CDWC				x

YES	Describe plans to supplement or replace inconsistent sources with alternative sources or DMMs	Chapter 3, Pages 3-17, 3-20
NO	No inconsistent sources	Chapter 3, Page 3-20

Transfer or Exchange Opportunities **(Water Code §10631 (d))**

YES	Describe short term and long term exchange or transfer opportunities	Chapter 3, Page 3-21
YES	No transfer opportunities	Chapter 3, Page 3-21

Table11
Transfer and Exchange Opportunities - AF Year

Transfer Agency	Transfer or Exchange	Short term	Proposed Quantities	Long term	Proposed Quantities
Total			0		0

Not Applicable

Water Use Provisions **(Water Code §10631 (e)(1)(2))**

YES	Quantify past water use by sector	Chapter 4, Pages 4-1 through 4-6
YES	Quantify current water use by sector	Chapter 4, Pages 4-8 through 4-10
YES	Project future water use by sector	Chapter 4, Pages 4-8 through 4-10

TABLE 12 - Past, Current and Projected Water Deliveries

	1999-2000				2005			
	metered		unmetered		metered		unmetered	
Water Use Sectors	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY
Municipal & Industrial		11,196				11,272		
Agriculture						0		
Total	0	11,196	0	0	0	11,272	0	0

TABLE12 (continued) - Past, Current and Projected Water Deliveries

	2010				2015			
	metered		unmetered		metered		unmetered	
Water Use Sectors	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY
Municipal & Industrial		11,825				12,077		
Agriculture		0				0		
Total	0	11,825	0	0	0	12,077	0	0

TABLE12 (continued) - Past, Current and Projected Water Deliveries

	2020				2025			
	metered		unmetered		metered		unmetered	
Water Use Sectors	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY
Municipal & Industrial		12,213				12,284		
Agriculture		0				0		
Total	0	12,213	0	0	0	12,284	0	0

TABLE12 (continued) - Past, Current and Projected Water Deliveries				
	2030 - opt			
	metered		unmetered	
Water Use Sectors	# of accounts	Deliveries AFY	# of accounts	Deliveries AFY
Municipal & Industrial		12,299		
Agriculture		0		
Total	0	12,299	0	0

YES Identify and quantify sales to other agencies

YES No sales to other agencies

Chapter 4, Page 4-9
La Habra does not sell water to other agencies

Table 13 Sales to Other Agencies - AF Year							
Water Distributed	**1999-2000**	**2005**	**2010**	**2015**	**2020**	**2025**	**2030 - opt**
	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Not Applicable

YES Identify and quantify additional water uses

Chapter 4, Page 4-9

Table 14 Additional Water Uses and Losses - AF Year							
Water Use	**1999-2000**	**2005**	**2010**	**2015**	**2020**	**2025**	**2030 - opt**
Saline barriers							
Groundwater recharge							
Conjunctive use							
raw water							
recycled							
other (define)							
Unaccounted-for system losses							
Total	0	0	0	0	0	0	0

Not Applicable

Table 15 Total Water Use - AF Year							
Water Use	**1999-2000**	**2005**	**2010**	**2015**	**2020**	**2025**	**2030 - opt**
Total of Tables 12, 13, 14	11,196	11,272	11,825	12,077	12,213	12,284	12,299

2005 Urban Water Management Plan "Review of DMMs for Completeness" Form (Water Code §10631 (f)

(Water Code §10631 (f) & (g), the 2005 Urban Water Management Plan "Review of DMMs for Completeness" Form is found on Sheet 2

Planned Water Supply Projects and Programs, including non-implemented DMMs		(Water Code §10631 (g))
YES	No non-implemented / not scheduled DMMs	Chapter 6, Pages 6-2, 6-18
N/A	Cost-Benefit includes economic and non-economic factors (environmental, social, health, customer impact, and technological factors)	La Habra Implements/ Plans to Implement all Applicable DMMs
N/A	Cost-Benefit analysis includes total benefits and total costs	
N/A	Identifies funding available for Projects with higher per-unit-cost than DMMs	
N/A	Identifies Suppliers' legal authority to implement DMMs, efforts to implement the measures and efforts to identify cost share partners	

Table 16
Evaluation of unit cost of water resulting from non-implemented / non-scheduled DMMs and planned water supply project and programs

Non-implemented & Not Scheduled DMM / Planned Water Supply Projects (Name)	Per-AF Cost ($)
Not Applicable	

Planned Water Supply Projects and Programs		(Water Code §10631 (h))
NO	No future water supply projects or programs	La Habra implements/ has plans to implement future water supply projects
YES	Detailed description of expected future supply projects & programs	Chapter 7, Pages 7-1 through 7-4
YES	Timeline for each proposed project	Chapter 7, Page 7-1
YES	Quantification of each projects normal yield (AFY)	Chapter 7, Pages 7-1 through 7-3
YES	Quantification of each projects single dry-year yield (AFY)	Chapter 7, Pages 7-1 through 7-3
YES	Quantification of each projects multiple dry-year yield (AFY)	Chapter 7, Pages 7-1 through 7-3

Table 17
Future Water Supply Projects

			2010				
Project Name	Projected Start Date	Projected Completion Date	Normal-year AF to agency	Single-dry year yield AF	Multiple-Dry-Year 1 AF	Multiple-Dry-Year 2 AF	Multiple-Dry-Year 3 AF
Idaho Street Well Capacity Improvement Project	2006	2007	2,400	2,400	2,400	2,400	2,400
CDWC Improvement Project	2006	2009	7500	7500	7500	7500	7500

Table 17 (Continued) Future Water Supply Projects							
			2015				
Project Name	Projected Start Date	Projected Completion Date	Normal-year AF to agency	Single-dry year yield AF	Multiple-Dry-Year 1 AF	Multiple-Dry-Year 2 AF	Multiple-Dry-Year 3 AF
Idaho Street Well Capacity Improvement Project	2006	2007	2,400	2,400	2,400	2,400	2,400
CDWC Improvement Project	2006	2009	7500	7500	7500	7500	7500

Table 17 (Continued) Future Water Supply Projects							
			2020				
Project Name	Projected Start Date	Projected Completion Date	Normal-year AF to agency	Single-dry year yield AF	Multiple-Dry-Year 1 AF	Multiple-Dry-Year 2 AF	Multiple-Dry-Year 3 AF
Idaho Street Well Capacity Improvement Project	2006	2007	2,400	2,400	2,400	2,400	2,400
CDWC Improvement Project	2006	2009	7500	7500	7500	7500	7500

Table 17 (Continued) Future Water Supply Projects							
			2025				
Project Name	Projected Start Date	Projected Completion Date	Normal-year AF to agency	Single-dry year yield AF	Multiple-Dry-Year 1 AF	Multiple-Dry-Year 2 AF	Multiple-Dry-Year 3 AF
Idaho Street Well Capacity Improvement Project	2006	2007	2,400	2,400	2,400	2,400	2,400
CDWC Improvement Project	2006	2009	7500	7500	7500	7500	7500

Table 17 (Continued) Future Water Supply Projects	
	2030

Project Name	Projected Start Date	Projected Completion Date	Normal-year AF to agency	Single-dry year yield AF	Multiple-Dry-Year 1 AF	Multiple-Dry-Year 2 AF	Multiple-Dry-Year 3 AF
Idaho Street Well Capacity Improvement Project	2006	2007	2,400	2,400	2,400	2,400	2,400
CDWC Improvement Project	2006	2009	7500	7500	7500	7500	7500

Opportunities for development of desalinated water **(Water Code §10631 (i))**

YES Describes opportunities for development of desalinated water, including, but not limited to, ocean water, brackish water, and groundwater, as a long-term supply — Chapter 7, Page 7-5

NO No opportunities for development of desalinated water — Chapter 7, Page 7-5

Table 18
Opportunities for desalinated water

Sources of Water	Check if yes
Brackish groundwater	x

District is a CUWCC signatory **(Water Code § 10631 (j))**

Urban suppliers that are California Urban Water Conservation Council members may submit the annual reports identifying water demand management measures currently being implemented, or scheduled for implementation, to satisfy the requirements of subdivisions (f) and (g). The supplier's CUWCC Best Management Practices Report should be attached to the UWMP.

NO Agency is a CUWCC member

N/A 2003-04 annual updates are attached to plan

N/A Both annual updates are considered completed by CUWCC website

La Habra is not a CUWCC member

If Supplier receives or projects receiving water from a wholesale supplier **(Water Code §10631 (k))**

YES Agency receives, or projects receiving, wholesale water — Chapter 3, Page 3-1 through 3-3

YES Agency provided written demand projections to wholesaler, 20 years — Chapter 1, Page 1-5 through 1-7

Table 19
Agency demand projections provided to wholesale suppliers - AFY

Wholesaler	2010	2015	2020	2025	2030 - opt
MWDOC	1,925	2,177	2,313	2,384	2,399

YES Wholesaler provided written water availability projections, by source, to agency, 20 years — Chapter 1, Page 1-5, 1-6

(if agency served by more than one wholesaler, duplicate this table and provide the source availability for each wholesaler)

Table 20
Wholesaler identified & quantified the existing and planned sources of water- AFY

Wholesaler sources	2010	2015	2020	2025	2030 - opt
MWDOC	1,925	2,177	2,313	2,384	2,399

YES Reliability of wholesale supply provided in writing by wholesale agency — Chapter 1, Page 1-5, 1-6

(if agency served by more than one wholesaler, duplicate this table and provide the source availability for each wholesaler)

Table 21 Wholesale Supply Reliability - % of normal AFY					
		Single Dry	Multiple Dry Water Years		
Wholesaler sources		1961	Year 1 (1959)	Year 2(1960)	Year 3 (1961)
MWDOC	2010	150%	164%	140%	150%
MWDOC	2015	145%	146%	132%	145%
MWDOC	2020	142%	146%	132%	142%
MWDOC	2025	141%	146%	131%	141%
MWDOC	2030	141%	147%	131%	141%

Table 22 Factors resulting in inconsistency of wholesaler's supply				
Name of supply	Legal	Environment	Water Quality	Climatic
MWDOC				x

Water Shortage Contingency Plan Section		(Water Code § 10632)
Stages of Action		(Water Code § 10632 (a))
YES	Provide stages of action	Chapter 8, Page 8-1
YES	Provide the water supply conditions for each stage	Chapter 8, Page 8-1
YES	Includes plan for 50 percent supply shortage	Chapter 8, Page 8-1

Table 23 Water Supply Shortage Stages and Conditions RATIONING STAGES		
Stage No.	Water Supply Conditions	% Shortage
Stage 1: Voluntary Compliance–Water Watch	Applies during periods when the possibility exists that the City will not be able to meet all of the demands of its customers.	0% to 15%
Stage 2: Mandatory Compliance–Water Alert	Applies during periods when the probability exists that the City will not be able to meet all of the water demands of its customers.	15% to 25%
Stage 3: Mandatory Compliance–Water Warning	Applies during periods when the City will not be able to meet all the water demands of its customers.	25% to 35%
Stage 4: Mandatory Compliance–Water Emergency	Applies when a major failure of any supply or distribution facility, whether temporary or permanent, occurs in the water distribution system of the State Water Project, Metropolitan Water District of Southern California, or City facilities.	35% to 50%

Three-Year Minimum Water Supply		(Water Code §10632 (b))
YES	Identifies driest 3-year period	Chapter 8, Page 8-2; Chapter 3, Page 3-16
YES	Minimum water supply available by source for the next three years	Chapter 8, Page 8-2

Table 24 Three-Year Estimated Minimum Water Supply (Based on Multiple Dry Years)- AF Year						
source**	Normal			Multiple Dry Year		
	2006	2007	2008	2006	2007	2008
Local Supplies	8,770	9,010	9,250	8,770	9,010	9,250
Imported Supply	2,620	2,497	2,375	3,383	2,923	3,020
Total	11,389	11,507	11,624	12,152	11,932	12,269

Preparation for catastrophic water supply interruption **(Water Code §10632 (c))**

YES Provided catastrophic supply interruption plan

Chapter 8, Pages 8-3, 8-4

Table 25 Preparation Actions for a Catastrophe	
Possible Catastrophe	Check if Discussed
Regional power outage	x
Earthquake	x
Terrorism	x

Prohibitions **(Water Code § 10632 (d))**

YES List the mandatory prohibitions against specific water use practices during water shortages

Chapter 8, Pages 8-5 through 8-7

Table 26 Mandatory Prohibitions	
Examples of Prohibitions	Stage When Prohibition Becomes Mandatory
Using Potable Water for Street Washing	Stage 2
Serving Water at Restaurants	Stage 2
Operating Ornamental Fountains	Stage 2
Issuing New Meters	Stage 3
Washing Vehicles	Stage 3, 4
Irrigating Vegetation	Stage 4
Filling Artificial Water Sources	Stage 4
Using Water For Agriculture and Nurseries	Stage 4
Watering Recreational Fields	Stage 4
Using Air Conditioning	Stage 4

Consumption Reduction Methods **(Water Code § 10632 (e))**

YES List the consumption reduction methods the water supplier will use to reduce water use in the most restrictive stages with up to a 50% reduction.

Chapter 8, Pages 8-5, 8-8, 8-9

Table 27 Consumption Reduction Methods		
Consumption Reduction Methods	**Stage When Method Takes Effect**	**Projected Reduction (%)**
Landscape Irrigation Days	Stage 2	25%
Vehicle Washing Days		
Artificial Water Sources		
Recreational Field Watering Days		
Fire Hydrant Restrictions		
Artificial Water Sources	Stage 3	35%
Fire Hydrant Restrictions		
Water Leak Repairs		
Fire Hydrant Restrictions	Stage 4	50%
Commercial Restrictions		

Penalties **(Water Code § 10632 (f))**

YES List excessive use penalties or charges for excessive use

Chapter 8, Pages 8-10, 8-11

Table 28 Penalties and Charges	
Penalties or Charges	**Stage When Penalty Takes Effect**
Written Notice	1st Failure to Comply
Flow Restricting Device Installed	2nd Failure to Comply
Discontinued Water Services	3rd Failure to Comply
$35.00 Charge	2nd Failure to Comply
$70.00 Charge	3rd Failure to Comply

Revenue and Expenditure Impacts **(Water Code § 10632 (g))**

YES Describe how actions and conditions impact revenues

Chapter 8, Pages 8-12

YES	Describe how actions and conditions impact expenditures	Chapter 8, Pages 8-12
YES	Describe measures to overcome the revenue and expenditure impacts	Chapter 8, Pages 8-12, 8-13

Table 29
Proposed measures to overcome revenue impacts

Names of measures	Check if Discussed
Rate adjustment	x
Water Fund Balance	x

Table 30
Proposed measures to overcome expenditure impacts

Names of measures	Check if Discussed
Allocate Water Purchases	x

Water Shortage Contingency Ordinance/Resolution **(Water Code § 10632 (h))**

YES	Attach a copy of the draft water shortage contingency resolution or ordinance.	Appendix E, Appendix K

Reduction Measuring Mechanism **(Water Code § 10632 (i))**

YES	Provided mechanisms for determining actual reductions	Chapter 8, Pages 8-14

Table 31
Water Use Monitoring Mechanisms

Mechanisms for determining actual reductions	Type data expected (pop-up?)
Production Meter Readings	Total Gallons Per Day

Recycling Plan Agency Coordination **Water Code § 10633**

N/A	Describe the coordination of the recycling plan preparation information to the extent available.	Not Applicable / La Habra does not currently utilize recycled water (Chapter 7, Page 7-6)

Table 32
Participating agencies

	participated
Water agencies	
Wastewater agencies	
Groundwater agencies	
Planning Agencies	

Not Applicable

Wastewater System Description **(Water Code § 10633 (a))**

YES Describe the wastewater collection and treatment systems in the supplier's service area

The Orange County Sanitation District collects and treats wastewater for Orange County (Chapter 7, Page 7-6)

N/A Quantify the volume of wastewater collected and treated

Table 33
Wastewater Collection and Treatment - AF Year

Type of Wastewater	2000	2005	2010	2015	2020	2025	2030 - opt
Wastewater collected & treated in service area							
Volume that meets recycled water standard							

Not Applicable

Wastewater Disposal and Recycled Water Uses (Water Code § 10633 (a - d))

N/A Describes methods of wastewater disposal

N/A Describe the current type, place and use of recycled water

YES None

N/A Describe and quantify potential uses of recycled water

Not Applicable / La Habra does not currently utilize recycled water (Chapter 7, Page 7-6)

Table 34
Disposal of wastewater (non-recycled) AF Year

Method of disposal	Treatment Level	2005	2010	2015	2020	2025	2030 - opt
Name of method							
Name of method							
Name of method							
	Total	0	0	0	0	0	0

Not Applicable

Table 35
Recycled Water Uses - Actual and Potential (AFY)

User type	Treatment Level	2005	2010	2015	2020	2025	2030 - opt
Agriculture							
Landscape							
Wildlife Habitat							
Wetlands							
Industrial							
Groundwater Recharge							
Other (user type)							
Other (user type)							
	Total	0	0	0	0	0	0

Not Applicable

NO Determination of technical and economic feasibility of serving the potential uses

La Habra is investigating the possibility of importing reclaimed water (Chapter 7, Page 7-6)

Projected Uses of Recycled Water (Water Code § 10633 (e))

N/A Projected use of recycled water, 20 years

Not Applicable / La Habra does not currently utilize recycled water (Chapter 7, Page 7-6)

Table 36 Projected Future Use of Recycled Water in Service Area - AF/yr					
	2010	2015	2020	2025	2030 - opt
Projected use of Recycled Water					

Not Applicable

N/A
YES

Compare UWMP 2000 projections with UWMP 2005 actual (§ 10633 (e))
None

Not Applicable / La Habra does not currently utilize recycled water (Chapter 7, Page 7-6)

Table 37 Recycled Water Uses - 2000 Projection compared with 2005 actual - AFY		
User type	2000 Projection for 2005	2005 actual use
Agriculture		
Landscape		
Wildlife Habitat		
Wetlands		
Industrial		
Groundwater Recharge		
Other (user type)		
Other (user type)		
Total	0	0

Not Applicable

Plan to Optimize Use of Recycled Water (Water Code § 10633 (f))

NO
N/A

Describe actions that might be taken to encourage recycled water uses
Describe projected results of these actions in terms of acre-feet of recycled water used per year

La Habra is investigating the possibility of importing reclaimed water (Chapter 7, Page 7-6)

Table 38 Methods to Encourage Recycled Water Use					
Actions	AF of use projected to result from this action				
	2010	2015	2020	2025	2030 - opt
Financial incentives					
name of action					
name of action					
name of action					
name of action					
name of action					
name of action					
name of action					
Total	0	0	0	0	0

Not Applicable

NO

Provide a recycled water use optimization plan which includes actions to facilitate the use of recycled water (dual distribution systems, promote recirculating uses)

La Habra is investigating the possibility of importing reclaimed water (Chapter 7, Page

7-6)

Water quality impacts on availability of supply **(Water Code §10634)**

YES Discusses water quality impacts (by source) upon water management strategies and supply reliability

YES No water quality impacts projected

Chapter 3, Pages 3-1, 3-6, 3-20

Table 39
Current & projected water supply changes due to water quality - percentage

water source	2005	2010	2015	2020	2025	2030 - opt

Not Applicable

Supply and Demand Comparison to 20 Years **(Water Code § 10635 (a))**

YES Compare the projected normal water supply to projected normal water use over the next 20 years, in 5-year increments.

Chapter 5, Pages 5-1, 5-2

Table 40
Projected Normal Water Supply - AF Year

(from table 4)	2010	2015	2020	2025	2030 - opt
Supply	11,825	12,077	12,213	12,284	12,299
% of year 2005	105%	107%	108%	109%	109%

Table 41
Projected Normal Water Demand - AF Year

(from table 15)	2010	2015	2020	2025	2030 - opt
Demand	11,825	12,077	12,213	12,284	12,299
% of year 2005	105%	107%	108%	109%	109%

Table 42
Projected Supply and Demand Comparison - AF Year

	2010	2015	2020	2025	2030 - opt
Supply totals	11,825	12,077	12,213	12,284	12,299
Demand totals	11,825	12,077	12,213	12,284	12,299
Difference	0	0	0	0	0
Difference as % of Supply	0%	0%	0%	0%	0%
Difference as % of Demand	0%	0%	0%	0%	0%

Supply and Demand Comparison: Single-dry Year Scenario (Water Code § 10635 (a))

YES Compare the projected single-dry year water supply to projected single-dry year water use over the next 20 years, in 5-year increments.

Chapter 5, Pages 5-3, 5-4

Table 43
Projected single dry year Water Supply - AF Year

	2010	2015	2020	2025	2030 - opt
Local Supply	9,900	9,900	9,900	9,900	9,900
Imported Supply	2,881	3,147	3,291	3,365	3,381
Supply Totals	**12,781**	**13,047**	**13,191**	**13,265**	**13,281**
% of projected normal	108.1%	108.0%	108.0%	108.0%	108.0%

Table 44
Projected single dry year Water Demand - AF Year

	2010	2015	2020	2025	2030 - opt
Demand	12,481	12,747	12,891	12,965	12,981
% of projected normal	105.5%	105.5%	105.5%	105.5%	105.5%

Table 45
Projected single dry year Supply and Demand Comparison - AF Year

	2010	2015	2020	2025	2030 - opt
Supply totals	12,781	13,047	13,191	13,265	13,281
Demand totals	12,481	12,747	12,891	12,965	12,981
Difference	300	300	300	300	300
Difference as % of Supply	2.3%	2.3%	2.3%	2.3%	2.3%
Difference as % of Demand	2.4%	2.4%	2.3%	2.3%	2.3%

Supply and Demand Comparison: Multiple-dry Year Scenario (Water Code § 10635 (a))

YES Project a multiple-dry year period (as identified in Table 9) occurring between 2006-2010 and compare projected supply and demand during those years.

Chapter 5, Pages 5-5, 5-6

Table 46
Projected supply during multiple dry year period ending in 2010 - AF Year

Supply			2008	2009	2010
Normal					
Local Supply			9,250	9,490	9,600
Imported Supply			2,375	2,252	2,225
Supply Totals			**11,624**	**11,742**	**11,825**
Multiple Dry Year					
Local Supply			9,250	9,490	9,600
Imported Supply			3,153	2,687	2,881
Supply Totals			**12,403**	**12,176**	**12,481**
% of projected normal			106.7%	103.7%	105.5%

Table 47 Projected demand multiple dry year period ending in 2010 - AFY					
Demand			**2008**	**2009**	**2010**
Normal			**11,624**	**11,742**	**11,825**
Multiple Dry Year			**12,403**	**12,176**	**12,481**
% of projected normal			106.7%	103.7%	105.5%

Table 48 Projected Supply and Demand Comparison during multiple dry year period ending in 2010- AF Year					
			2008	**2009**	**2010**
Supply totals			12,403	12,176	12,481
Demand totals			12,403	12,176	12,481
Difference			0	0	0
Difference as % of Supply			0.0%	0.0%	0.0%
Difference as % of Demand			0.0%	0.0%	0.0%

YES

Project a multiple-dry year period (as identified in Table 9) occurring between 2011-2015 and compare projected supply and demand during those years

Chapter 5, Pages 5-7, 5-8

Table 49 Projected supply during multiple dry year period ending in 2015 - AF Year					
Supply			**2013**	**2014**	**2015**
Normal					
Local Supply			9,900	9,900	9,900
Imported Supply			2,384	2,438	2,477
Supply Totals			**12,284**	**12,338**	**12,377**
Multiple Dry Year					
Local Supply			9,900	9,900	9,900
Imported Supply			3,187	2,883	3,147
Supply Totals			**13,087**	**12,783**	**13,047**
% of projected normal			106.5%	103.6%	105.4%

Table 50 Projected demand multiple dry year period ending in 2015 - AFY					
Demand			**2013**	**2014**	**2015**
Normal			**11,984**	**12,038**	**12,077**
Multiple Dry Year			**12,787**	**12,483**	**12,747**
% of projected normal			106.7%	103.7%	105.5%

Table 51 Projected Supply and Demand Comparison during multiple dry year period ending in 2015- AF Year					
			2013	2014	2015
Supply totals			13,087	12,783	13,047
Demand totals			12,787	12,483	12,747
Difference			300	300	300
Difference as % of Supply			2.3%	2.3%	2.3%
Difference as % of Demand			2.3%	2.4%	2.4%

YES Project a multiple-dry year period (as identified in Table 9) occurring between 2016-2020 and compare projected supply and demand during those years

Chapter 5, Pages 5-9, 5-10

Table 52 Projected supply during multiple dry year period ending in 2020 - AF Year					
Supply			2018	2019	2020
Normal					
Local Supply			9,900	9,900	9,900
Imported Supply			2,563	2,592	2,613
Supply Totals			**12,463**	**12,492**	**12,513**
Multiple Dry Year					
Local Supply			9,900	9,900	9,900
Imported Supply			3,378	3,043	3,291
Supply Totals			**13,278**	**12,943**	**13,191**
% of projected normal			106.5%	103.6%	105.4%

Table 53 Projected demand multiple dry year period ending in 2020 - AFY					
Demand			2018	2019	2020
Normal			**12,163**	**12,192**	**12,213**
Multiple Dry Year			**12,978**	**12,643**	**12,891**
% of projected normal			106.7%	103.7%	105.5%

Table 54 Projected Supply and Demand Comparison during multiple dry year period ending in 2020- AF Year					
			2018	2019	2020
Supply totals			13,278	12,943	13,191
Demand totals			12,978	12,643	12,891
Difference			300	300	300
Difference as % of Supply			2.3%	2.3%	2.3%
Difference as % of Demand			2.3%	2.4%	2.3%

YES Project a multiple-dry year period (as identified in Table 9) occurring between 2021-2025 and compare projected supply and demand during those years

Chapter 5, Pages 5-9, 5-10

Table 55 Projected supply during multiple dry year period ending in 2025 - AF Year					
Supply			**2023**	**2024**	**2025**
Normal					
Local Supply			9,900	9,900	9,900
Imported Supply			2,659	2,675	2,684
Supply Totals			**12,559**	**12,575**	**12,584**
Multiple Dry Year					
Local Supply			9,900	9,900	9,900
Imported Supply			3,481	3,129	3,365
Supply Totals			**13,381**	**13,029**	**13,265**
% of projected normal			106.5%	103.6%	105.4%

Table 56 Projected demand multiple dry year period ending in 2025 - AFY					
Demand			**2023**	**2024**	**2025**
Normal			**12,259**	**12,275**	**12,284**
Multiple Dry Year			**13,081**	**12,729**	**12,965**
% of projected normal			106.7%	103.7%	105.5%

Table 57 Projected Supply and Demand Comparison during multiple dry year period ending in 2025- AF Year					
			2023	**2024**	**2025**
Supply totals			13,381	13,029	13,265
Demand totals			13,081	12,729	12,965
Difference			300	300	300
Difference as % of Supply			2.2%	2.3%	2.3%
Difference as % of Demand			2.3%	2.4%	2.3%

YES Project a multiple-dry year period (as identified in Table 9) occurring between 2026-2030 and compare projected supply and demand during those years

Chapter 5, Pages 5-11, 5-12

Table 58 Projected supply during multiple dry year period ending in 2025 - AF Year					
Supply			**2028**	**2029**	**2030**
Normal					
Local Supply			9,900	9,900	9,900
Imported Supply			2,694	2,697	2,699
Supply Totals			**12,594**	**12,597**	**12,599**
Multiple Dry Year					
Local Supply			9,900	9,900	9,900
Imported Supply			3,517	3,152	3,381
Supply Totals			**13,417**	**13,052**	**13,281**
% of projected normal			106.5%	103.6%	105.4%

Table 59 Projected demand multiple dry year period ending in 2030 - AFY					
Demand			**2028**	**2029**	**2030**
Normal			**12,294**	**12,297**	**12,299**
Multiple Dry Year			**13,117**	**12,752**	**12,981**
% of projected normal			106.7%	103.7%	105.5%

Table 60 Projected Supply and Demand Comparison during multiple dry year period ending in 2030- AF Year					
			2028	**2029**	**2030**
Supply totals			13,417	13,052	13,281
Demand totals			13,117	12,752	12,981
Difference			300	300	300
Difference as % of Supply			2.2%	2.3%	2.3%
Difference as % of Demand			2.3%	2.4%	2.3%

Provision of Water Service Reliability section to cities/counties within service area		**(Water Code § 10635(b))**
YES	Provided Water Service Reliability section of UWMP to cities and counties within which it provides water supplies within 60 days of UWMP submission to DWR	Chapter 1, Page 1-6

Does the Plan Include Public Participation and Plan Adoption		**(Water Code § 10642)**
YES	Attach a copy of adoption resolution	Appendix A
YES	Encourage involvement of social, cultural & economic community groups	Chapter 1, Pages 1-5 through 1-7
YES	Plan available for public inspection	Chapter 1, Pages 1-5 through 1-7
YES	Provide proof of public hearing	City Council Meeting Minutes
YES	Provided meeting notice to local governments	Chapter 1, Page 1-6

Review of implementation of 2000 UWMP		**(Water Code § 10643)**
YES	Reviewed implementation plan and schedule of 2000 UWMP	Chapter 1, Page 1-5
N/A	Implemented in accordance with the schedule set forth in plan	No schedule was set forth in the plan
NO	2000 UWMP not required	Chapter 1, Pages 1-5, 1-8

Provision of 2005 UWMP to local governments		**(Water Code § 10644 (a))**
YES	Provide 2005 UWMP to DWR, and cities and counties within 30 days of adoption	Adoption is scheduled for 12/19/2005

Does the plan or correspondence accompanying it show where it is available for public review		**(Water Code § 10645)**
YES	Does UWMP or correspondence accompanying it show where it is available for public review	Chapter 1, Page 1-6